

# Biology 2112 D & E: Human Anatomy and Physiology II

Spring Semester 2008

**Instructor:** Dr. Griner

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**Web site:** www.aug.edu/biordg/

**Required purchases:**

**Text:** Human Anatomy and Physiology, 7<sup>th</sup> edition; E.N. Marieb

**Laboratory Manual:** Human Anatomy and Physiology Laboratory, 9<sup>th</sup> edition, cat version; E.N. Marieb

**Classroom Response System:** InterWrite Personal Response System

Biology 2111 will provide students with a strong foundation in the chemistry of biological molecules, and it will include a detailed analysis of the anatomy and physiology of cells, tissues, and the following organ systems: integumentary, skeletal, muscular, and nervous.

<b>Grading:</b>	3 Lecture Exams	300 points (100 points each)
	2 Lab Practicals	200 points (100 points each)
	“clicker” questions	100 points
	1 Comprehensive Final Exam	<u>200 points</u>
	Total	800 points

Final grades will be determined according to the following:

A = (90-100%):	720-800 points
B = (80-89%):	640-719 points
C = (70-79%):	560-639 points
D = (60-69%):	480-559 points
F = (0-59%):	0-479 points

**Attendance:** Students are expected to attend all classes and to arrive on time. Students who exceed 5 absences may be withdrawn from the course at the instructor's discretion. Tardiness will be treated as ½ of an absence, and you will miss the “clicker” questions.

If a student wishes to withdraw from the course before midterm, it is the student's responsibility to complete the appropriate paperwork. Failure by the student to complete the paperwork will force the instructor to assign a grade of F.

Expectations of students also include: reading of the text and assigned handouts prior to class and participation in any class discussions. Students must make arrangements **in advance** for an excused absence from a lecture exam. **Only students with an excused absence will be allowed to take a make-up exam.** The format of the make-up exam will be at the discretion of the instructor.

**Laboratory:** Attendance in Laboratory is mandatory, and students are expected to read the appropriate laboratory exercise prior to lab. Each student will be issued a microscope and a box of histology slides. Each student will be held responsible for the assigned

equipment. If damage occurs, the student will be charged for replacement and/or repair. Lab equipment should not be removed from room W2017 **for any reason**. Each student will also be required to provide a good quality dissection kit and latex gloves for dissections. These are available in the bookstore.

Each student will need to spend additional “unscheduled” study time in the lab. The laboratory is open for students to use any time that a class is not in session in the lab. Labs will not be open on Friday nights or on weekends. Rules for use of the labs at times other than your scheduled lab time are posted inside the lab and on the Biology Department web site. Please adhere to these and all lab safety rules.

**There are no make-ups for lab exams.** Failure to take the laboratory practical during the scheduled time period will result in a failing grade (0 points) for that laboratory practical.

Important dates:        Midterm: Feb. 28  
                                  Last day of class: Apr. 30  
                                  Holidays: Martin Luther King Day: Jan. 21; mini-spring break:  
                                  Mar 6-7;  
                                  Spring break (Master’s week): Apr. 7-11

**Turn off your cell phones and pagers before entering class or lab!**

**You can get help from teachers, but you are going to have to learn a lot by yourself, sitting alone in a room. – Theodore Geisel**

**Biol 2112 A&B Lecture Schedule – all dates are tentative  
Spring Semester, 2008**

<u>Week of</u>		<u>Topic</u>	<u>Reading</u>
Jan. 7	Lec. Lab	the endocrine system the endocrine system	ch. 16 ex. 27
Jan. 14	Lec. Lab	the endocrine system blood	ch. 16 ex. 29A
Jan. 21	Lec. Lab.	blood heart anatomy and ECG	ch. 17 ex. 30, 31, 33A
Jan. 28	Lec. Lab	the cardiovascular system: heart frog CV physiology anatomy of blood vessels	ch. 18 ex. 34B 32, dissect. ex. 4
Feb. 4	Lec. Lab	the cardiovascular system: blood vessels; <b>Exam 1</b> continue anatomy of blood vessels	ch. 19 dissect. ex. 4
Feb. 11	Lec. Lab	the lymphatic system complete anatomy of blood vessels	ch. 20 dissect. ex. 4
Feb. 18	Lec. Lab	the immune system <b>Lab Practical #1</b>	ch. 21
Feb. 25	Lec. Lab	the immune system anatomy and physiology of the respiratory system	ch. 21 ex. 36, 37A
Mar. 3	Lec. Lab	the respiratory system no lab this week	ch. 22
Mar. 10	Lec. Lab	the digestive system anatomy of the digestive system	ch. 22 ex. 38, dissect. ex. 7
Mar. 17	Lec. Lab	the digestive system; <b>Exam 2</b> complete anatomy of the digestive system chemical and physical process of digestion	ch. 23 ex. 38, dissect. ex. 7 ex. 39B
Mar. 24	Lec. Lab	intermediary metabolism anatomy of the urinary system and urinalysis	ch. 24 ex. 40, 41A, dissect. ex. 8
Mar. 31	Lec. Lab	the urinary system anatomy of the reproductive system gamete physiology and development	ch. 25 ex. 42, dissect ex. 9 43, 44
Apr. 14	Lec. Lab	the urinary system <b>Lab Practical #2</b>	ch. 25
Apr. 21	Lec.	fluids and electrolytes; <b>Exam 3</b>	ch. 26
Apr. 28	Lec.	reproduction	ch. 27
May 7 (Wed)		<b>Final exam (comprehensive): 10:00 a.m. - 12:00 noon</b>	